

35. ~~FUEL~~ > CELL - PAJ 00-85-76 62024568 JP NDN-075-0315-0919-3

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PATENT APPLICATION NUMBER- 60161903 DATE FILED- 1985-07-24

PUBLICATION NUMBER- 62024568 JP DOCUMENT TYPE- A

PUBLICATION DATE-

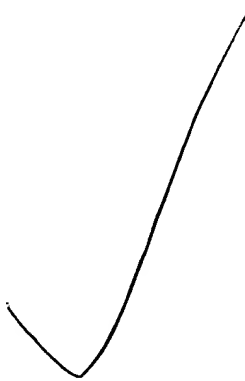
1987-02-02 INTERNATIONAL PATENT CLASS- H01M00490; H01M00492

APPLICANT(S)- HITACHI LTD PUBLICATION COUNTRY- Japan

PURPOSE: To obtain high activity and lengthen life by forming the catalyst of one or both electrodes with platinum added with gold and/or iridium.

CONSTITUTION: Gold and/or iridium are added to platinum of electrode catalyst. The activity of the catalyst does not depend on the ratio of gold and iridium, and is affected by their total amount. The activity is increased when the sum of gold and iridium is 0.1 (equivalent to) 10 atom%, preferably 0.1 (equivalent to) 5 atom%. When gold or iridium is used singly, the catalyst activity does not appear. Thereby, since highly active catalyst is obtained, cell performance is increased and the life is lengthened.

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